



Risk assessment SB/IB-Heat block

Produced 2010-05-11 By Riskbedömare 2 Livsvetenskaper
at Systembiologi och industriell bioteknik.
Modified 2015-11-09 By Cecilia Sundelin

Final risk assessment of the method

0. Low risk

1. State the premises in which the activity is taking place

Fysik Forskarhuset

Floor Room

Kemi forskarhus 1

Floor Room

Kemi kurshus

Floor Room

Plan 6 6112A Big lab Systems Biology

Plan 6 6116A Small lab Systems biology

2. Description of activity

Eppendorf tubes are heated in the heat block.
Temperature up to 120 degrees Celsius are regularly
used for boiling DNA.

3. Products

Product name	Concentration	Form	Quantity	Danger	Comments
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4. Risk category

5. Level of exposure

6. Ventilation

7. Biological material

8. Comments on Biological material

9. Risk codes

10. Comments on risk codes

11. Premises

12. Comments on premises

13. Protective signs

14. Comments on protective signs

15. Personal protective equipment

protective glasses , protective gloves , protective clothing

16. Comments on Personal protective equipment

17. Describe the technical equipment

The heating block consists of a solid metal block with holes for 1.5mL and 2mL Eppendorf vials. The metal block can be heated to the desired temperature.

18. Environment

19. Comments on environment

No pollution to the environment is expected from the heat block. The heat block has to be disposed properly when no longer in use. If substances that evaporates are heated, those are potentially hazardous.

20. Waste management

21. Comments on Waste management

No pollution to the environment is expected from the heat block. The heat block has to be disposed properly when no longer in use. If substances that evaporates are heated, those are potentially hazardous.

22. Emergency equipment

first aid kit , fire-extinguisher foam , fire-extinguisher carbonic acid

23. Comments on Emergency equipment

First aid kit if personal burn damages occur. Fire extinguisher is used if the equipment catches fire. Make sure you know where these are positioned. If possible, shut down the electricity before using the extinguishers.

24. Hazardous actions

heating , cooling

25. Comments on Hazardous actions

Trying to cool the heat block rapidly can be dangerous.

26. Special instructions to other personel

Do not put water in the heat block. Do only use liquids in closed tubes.

27. Accidental readiness

First aid kits are available in case of burn damages and also cold water is available in the taps. Fire extinguishers are available in the lab

28. Final risk assessment of the method

0. Low risk

29. Comments on final risk assessment and additional risk reducing measurements

Signature
Supervisor

Date

Christer Larsson

Date of reassessment: